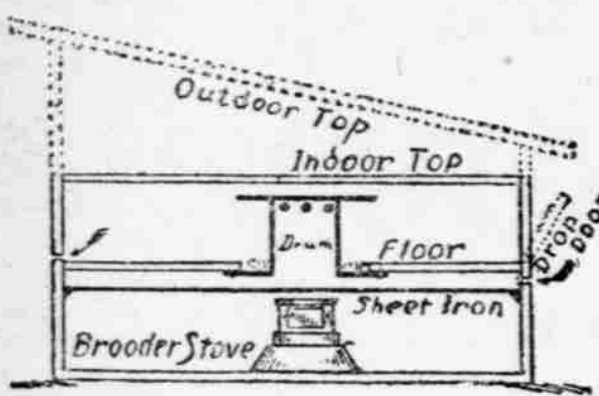


AGRICULTURAL HINTS

HOMEMADE BROODER.

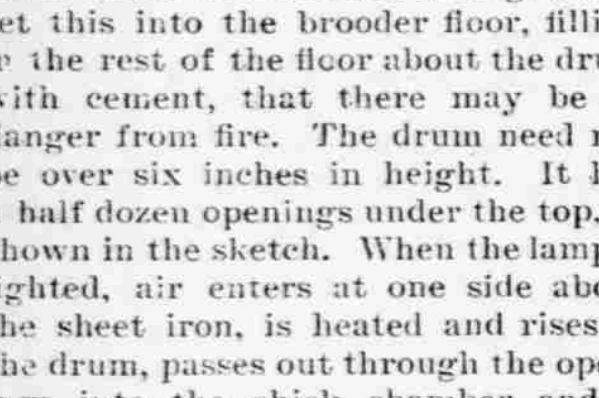
Constructed on Simple and at the Same Time Correct Principles. The incubator has come to stay in the poultry world, and many farmers are also availing themselves of its advantages. Where incubators are used, one must have brooders, and unless these can be made at home, the expense of a hatching "plant" is very materially increased. Fortunately, brooders can be constructed that will do very good work, though of course they must be watched a little more closely than would be necessary with the self-regulating brooders that one can buy.

A plan is shown herewith that gives a brooder constructed on simple and at the same time correct principles. The diagram, Fig. 1, is very nearly self-explanatory. A box three feet square, or thereabouts, has in the bottom a brooder lamp or stove. Above this is a sheet of iron as large as the inside of the box, and supported at the four sides, and by an iron prop near the lamp, if it is inclined to sag. Make the edges air-tight with cement, so that no



CROSS SECTION OF BROODER.

fumes from the lamp can get up above the sheet iron. Have a sheet iron drum made as indicated in Fig. 3 and set this into the brooder floor, filling in the rest of the floor about the drum with cement, that there may be no danger from fire. The drum need not be over six inches in height. It has a half dozen openings under the top, as shown in the sketch. When the lamp is lighted, air enters at one side above the sheet iron, is heated and rises in the drum, passes out through the openings into the chick chamber and is diffused about it. Three or four ventilating holes are in the wall near the floor, for the exit of cold air. This gives a constant movement of warm air into the brooder. These openings can be



CORNER AND DRUM.

partly closed when desired. An opening in the side near the bottom of the lamp chamber, and one near the top on the opposite sides, give fresh air for the lamp and an exit for its fumes. The lamp is inserted through a small hole in the side of the box. One whole side of the brooder chamber is a drop door, for the easy sweeping out of the floor. The top (in door) can have a pane of glass in it, so one may see the chicks, and the thermometer hanging against one side. Glass on two sides gives light. The top must fit very tightly. If this brooder is to be used out of doors, a roof must be added, as indicated by dotted lines. The corners of the brooders are cut off, as seen in Fig. 2, so that the chicks may not crowd into them and the weak be trampled upon and smothered by the stronger, should the chamber ever become cold. This is an important matter and should not be overlooked.—Orange Jud Farmer.

AMONG THE POULTRY.

Save all the feathers. Wheat is one of the best egg producing foods.

Sunflower seed promote laying and good health.

Keep the tail and wing feathers separate from the others.

Chaff is a good material for the nests of the early sitting hens.

The secret of raising goslings is to keep them dry and warm.

Young fowls need bone meal to supply strength and vigor to the growing frame.

It will require an average of one pound of grain per week for ten weeks to feed a chick.

If chicks are allowed a free run on light warm days it will add considerably to their vigor.

The use of cross-bred cocks often prevents uniformity in the color and characteristics of the chicks.

Keep the yard and poultry-house floors sprinkled with air-slaked lime and there will be fewer cases of roup.—St. Louis Republic.

Horses Holding Their Own.

An observing gentleman from the west says he believes the market for horses is rapidly improving. He says people got the idea that electricity and the bicycle were going to render the demand for horses less than they have. In some parts of the west horses are now becoming scarce because they have been disposed of at an astonishing rate. Electricity has about run its length as a displacer of horses and the bicycle is covering its own field pretty thoroughly. What the horseless wagon will do in the future is a problem, but until highways are materially improved, it cannot come into general use.

Feeding the Laying Hens.

It is a mistake to keep the laying hens with those which do not produce eggs, for the reason that the layers require more food than the others, and do not receive it. Usually when hens do not lay they are too fat, and should be fed on foods containing little grain, and also fed sparingly; consequently, when all the hens are together, the non-producing hens may become fatter while the layers do not receive enough. It does not pay to feed hens that do not give a return for the food consumed.—Farm and Fireside.

BUSINESS METHODS.

Why Farmers Should Look After Their Insurance Policies.

Farmers sometimes forfeit their insurance by neglect. While the mutual companies do not, as we understand it, hold farmers to the strict letter of the law, as do the stock companies, but go more on the equities of the case in their settlements than on strictly legal points, nevertheless it is wise to have everything straight at the start and keep it straight. For example, many farmers during the year make additions to their buildings. The company should be informed of this fact and additional insurance, whether against fire, lightning or tornado, should be taken out to cover the increased value. Many farmers sell or trade properties during the year and this violates their policy unless an assignment is made, returned to the company, and a new policy issued. Where farmers do not set out right they frequently deed portions of their property to their wives or members of their families, thus making a change of title and in each case the policy should state the facts.

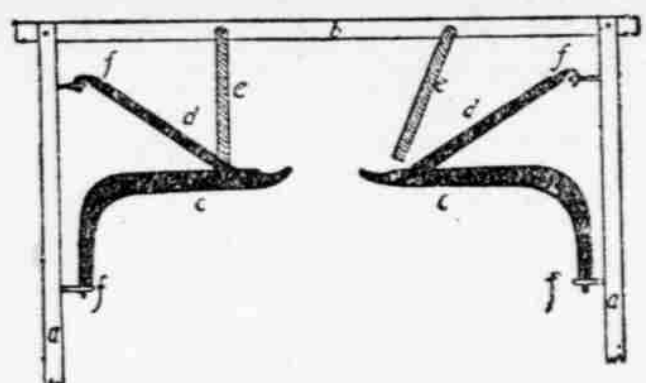
Another matter. In making out a policy always see that the property that you wish to protect is specifically mentioned in the policy and that it is so mentioned that there can be no dispute about it. For example, we heard of a case lately that is likely to lead to litigation in a stock company. The farmer so insured carried so much insurance on grain. A fire occurred and in addition to the grains a lot of clover seed was burned. The question came up at once, is clover seed a grain? It will be very difficult to prove that it is. Therefore the policy should read grain and clover seed, or any other kind of seed.

Another matter. Always keep your policy where you will know where to get it should it be needed for any purpose and if possible keep it in a fire-proof safe. Bankers usually take care of papers of this kind and it would be a good thing to leave your policies together with your banker, or in some other place where they are as safe as possible from fire.—Wallace's Farmer.

RENDERING LARD.

Simple and Handy Device Which Makes the Task Easy.

The illustration portrays a simple and handy device for heating water and rendering lard in kettles. I made the pieces, e, e, out of the iron gangs of an old cultivator; any kind of light iron will do for balance. Set two parts, a, a, (common fence posts) in the ground. Cut a mortise in top for crosspiece b and pin them so the weight of the kettle will not pull them together. Get two eyes, f, f, for bottom (gate eyes will answer). To make them stronger, the two top eyes, f, f, should be fitted with nuts. Make bottom of beams, e, e, so they will go in bottom eyes and make the other end with a small crook for kettle to hang in. Take two pieces of iron, d, d, and rivet them on each side of beams, e, e; rivet a hook in the other end to hook in top eyes. Bolt the piece of



CONVENIENT FRAME FOR LARD MAKING.

iron, e, e, to crosspiece b, so they will drop down between pieces d, d, and lock beams so that they cannot swing from over the fire. To remove the kettle from the fire, remove lock e and the beam can be swung either way. I find it a very convenient way for rendering lard. If lard is foaming or getting too hot, it can easily be swung from over the fire until danger is over and when done, the kettle need not be removed from the beams until the lard is taken out.—H. M. Hodson, in Farm and Home.

OILING THE HARNESS.

If Undertaken at All, This Work Should Be Done Well.

Harness will last much longer and look much better if kept well oiled, and will not get so stiff after being exposed to a day's rain. During the spring it is difficult to keep harness from getting wet, and it will pay well before the season's work begins to see that it is thoroughly oiled. In doing the work, the harness should be taken apart and washed clean, using warm water and castile soap, and then wiped dry, when the oil should be applied. If so clean that washing is not needed, it will be better to wipe off with a wet rag as the oiling can be done better. It is best to take harness all apart, in order to get at all of the parts and oil thoroughly. Good harness oil can be purchased all ready for use, or neatfoot oil, with a little lamp black, will be found good. If the harness has not been oiled for some time and is hard and dry, it will be best to go over them twice, finishing all up, and then commencing with the first piece and going over again. After every part has been thoroughly oiled, it should all be hung up over a frame of some kind and allowed to dry. It should not be hung in the sun or where the wind strikes, as it will dry too rapidly. The oil should have plenty of time to soak in. Like most other work on the farm, if undertaken it will pay to do well.—Journal of Agriculture.

Separate the Flocks.

The first thing to do with flocks that are kept on farms rather than on ranches is to separate the flock into a number of small ones, each composed of one kind, and having a regard to sex, age and general condition. The weak ones should not be placed with the strong. The weather or stock flock should be in one flock, the breeding ewes in another, and the lambs in another, if the best results are to be secured.

ABSENT-MINDED.

The Professor Thought Her Face Was Familiar.

Prof. Charles Fahnestock is a near-sighted, absent-minded, but genial young man, with all the qualities that lead to success except that he has a very poor memory. This leads him into trouble, especially when he meets ladies to whom he has paid marked attention.

Recuperating for the past few weeks at the winter city by the sea where so many Philadelphians and Chicagoans go to recover from the effects of arduous social seasons of ante-nuptial dinners, he became smitten with the charms of a young lady. They became inseparable, and friends of each were hourly expecting to hear of an engagement. At last one evening they were sitting in a dark corner of the glass-covered veranda, and this bit of conversation was wafted from behind the palms:

"I swear," declared Charlie, passionately, "that I love you!"

"But, Mr. Fahnestock," came the young lady's voice, coldly and distinctly, "you have so poor a memory. You might forget me."

"Never!" he protested. "I could forget that I was living sooner than I could forget you! Would years of deathless devotion—"

"Do you remember ever having met me before?" interrupted the lady, more coldly still.

"Never, never! because I never did! If you think so you are mistaken. At least—at least," he stammered, as a memory of his failing came over him. "I never knew you. Where did we meet?"

"We met in the west two years ago. We were married, and a year later, divorced. Good night!" and she swept from the piazza.

"Well, I'll swear!" said the professor, looking after her dubiously. "I thought her face looked familiar! That night he paid his bill and departed, and now the affairs of the college are receiving his undivided attention.—N. Y. Journal.

HARMONY IN MARRIED LIFE.

The Right Kind of a Wife Makes the Right Kind of a Husband.

"If you wish to be a good companion to your husband study to make each 'Good morning' that you say to him an incentive to a better life," is Ruth Ashmore's advice to young women, whom she addresses upon "The Profession of Marriage." "Learn to make each 'Good night' a benediction of love for the day's work, the day's loving and the day's sympathy. Look for his good qualities. He is like you in having faults; with very little trouble you can find these faults, and by talking about them and reminding him of them you can make your married life unendurable. You can bring about heartburnings, you can cause strife, and before you know it hatred may take the place of love. Look for his virtues, and seeking always for goodness, you will grow better every day just as certainly as you would grow bad if you looked only for that which was wicked. Remember there is much that will have to be forgiven in you, and whenever you feel inclined to remind Tom of a weakness read the book in which is set down your foibles and your follies. A woman who, even after her marriage, carefully studies her profession, can make her husband what she wishes him to be. Everything that is good is contagious, and the right kind of a wife makes the right kind of a husband."

"Respect the rights of your husband; he is a man, not a child, and how can the world honor him when you, who are his closest companion, do not? Do not, even in jest, deride or underrate him. People are slow about deciding when one is jesting or when one is in earnest. And what you meant to be funny may cause some stupid person to say: 'How horrid Tom must be! Why, his wife says dreadful things about him!'"—Ladies' Home Journal.

The Home Influence.

"Charity begins at home," says the old adage, and we might add, "so does every other good thing." Possibly we might go still farther and say much of the mischievous evil of life begins there, too. Certain it is that whenever good men set themselves to do a good work in this crooked world their thoughts turn always to their homes, as if there they must look for the very heart of the nation. Make the home what it should be and the land will take care of itself. Save the children of to-day and we have made sure of a blessed to-morrow. Any uplifting influence, then, that purifies and strengthens the home, any cheerful influence that gladdens it, should meet with cordial welcome from the hearts of those who desire that the "ax be laid at the very root of the tree." Nay, more than cordial welcome should be given; every movement designed to bless the home should have the earnest aid of parents, and even of the little ones themselves.—Washington Home Magazine.

Cream Sandwiches.

Make nice short pastry and roll out rather thin, and then cut three inches long and 1 1/2 wide, and bake in a sharp oven. When done a light brown brush over with the yolk of an egg, cut lengthwise, and spread raspberry jam to form a sandwich, and put whipped cream, flavored with vanilla, and a teaspoonful of castor sugar and white of an egg beaten to a froth on top of cream.—Boston Budget.

A Good Prospect.

"Do you see anything coming our way?" asked the morning star of a companion.

"Not yet," was the reply; "but I see a servant below there who is about to light her kitchen fire with kerosene."—Yonkers Statesman.

To Rid the House of Black Ants.

You may exterminate black ants by first keeping out of their reach all sweets. Stand your cake and sugar boxes in a pan of water, then around the shelves put either lavender, ground cloves, or, better, camphor.—Ladies' Home Journal.

Sing Lee's Asylum.

Sing Lee was an enterprising young Chinaman who conducted a laundry in a small mining camp in Colorado some years ago. His never-failing good humor made him a universal favorite, and on more than one occasion the boys found that he had a ready tongue in his head. A presidential election occurred about this time, and one of the boys—an Irishman—remarked to Sing: "Well, Sing, ye'll have to be goin' to China now. The Irish be goin' to run things here, and they won't have any hither Chinese around." Quick as a flash Sing retorted: "All right, me go Ireland. Illsh no lun things there."

MANY MERCHANTS SUE.

Users and Selling Agents of Imperial Cash Registers Brought Into Court.

Toledo, O., April 27.—Suit has been filed in the United States Court here, against Hemmert Brothers, saloon-keepers at Celina, Ohio, by The National Cash Register Company, of Dayton, Ohio, asking for an injunction and damages. Messrs. Hemmert Brothers use an Imperial Cash Register, sometimes known as the Osborn, which is manufactured by the Osborn Cash Register Company, of Detroit, Michigan, and which The National Cash Register Company claims infringes cash register patents owned by them.

John M. Price, Nicholas Wagner and Perdan & Company, well-known merchants of this city, John Brown, a provision dealer at 202 Grand street, Brooklyn, New York, John Fritz, at 44 Main street, Ann Arbor, Michigan, and more than twenty other individuals and firms, who are either using or selling Imperial Cash Registers, have also been sued.

A NATURAL manner was her aim. She was simple and all that; she failed, but she was not to blame. For she resided in a flat!

How's This?

We offer One Hundred Dollars Reward for any case of Catarrh that can not be cured by Hall's Catarrh Cure. F. J. Cheney & Co., Props., Toledo, O. We, the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by their firm. West & Truax, Wholesale Druggists, Toledo, O.

Walding, Kinnan & Marvin, Wholesale Druggists, Toledo, Ohio. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Price 75c. per bottle. Sold by all Druggists. Testimonials free.

Hall's Family Pills are the best. When people say of a man that he is worse than dead, they mean that he is alive.—Atchison Globe.

I use Piso's Cure for Consumption both in my family and practice.—Dr. G. W. Patterson, Inster, Mich., Nov. 5, 1894.

The man who is always suspicious of his neighbors is hardly to be trusted.—Washington Democrat.

A slip—a sprain—lame. St. Jacobs Oil cures it all the same. You can't tell how little a man knows by his size.—Washington Democrat.

THE MARKETS.

CINCINNATI, April 26.	
LIVE STOCK—Cattle, common	2 65 @ 3 10
select butchers	4 00 @ 4 40
CALVES—Fair to good	4 50 @ 5 25
HOGS—Common	3 10 @ 3 75
Mixed packers	3 80 @ 3 95
FLOUR—Winter family	2 85 @ 3 00
SHEEP—Choice	4 25 @ 4 75
LAMBS—Spring	6 00 @ 6 50
WHEAT—No. 2 mixed	3 35 @ 3 65
GRAIN—Wheat—No. 2 red	2 65 @ 2 95
No. 3 red	2 50 @ 2 75
Corn—No. 2 mixed	2 00 @ 2 15
Oats—No. 2	1 35 @ 1 45
Rye—No. 2	2 35 @ 2 50
HAY—Prime to choice	11 75 @ 12 00
PROVISIONS—Mess pork	2 75 @ 3 00
Lard—Prime steam	4 00 @ 4 15
BUTTER—Choice dairy	9 10 @ 10 00
Prime to choice creamery	8 15 @ 8 25
APPLES—Per bbl.	2 00 @ 2 25
POTATOES—Per bbl.	75 @ 90

NEW YORK.	
FLOUR—Winter patent	4 45 @ 4 65
GRAIN—Wheat—No. 1 and 2	2 85 @ 3 00
No. 2 red	2 65 @ 2 85
CORN—No. 2 mixed	2 00 @ 2 15
OATS—Mixed	1 35 @ 1 45
PORK—New mess	9 00 @ 9 25
LARD—Western	4 40 @ 4 60

BALTIMORE.	
FLOUR—Family	3 90 @ 4 25
GRAIN—Wheat—No. 2	2 85 @ 3 00
Corn—Mixed	2 00 @ 2 15
Oats—Mixed	1 35 @ 1 45
LARD—Refined	4 15 @ 4 30
PORK—Mess	8 00 @ 8 25
CATTLE—First quality	4 25 @ 4 40
HOGS—Western	4 40 @ 4 60

INDIANAPOLIS.	
GRAIN—Wheat—No. 2	2 85 @ 3 00
Corn—No. 2 mixed	2 00 @ 2 15
Oats—No. 2 mixed	1 35 @ 1 45

LOUISVILLE.	
FLOUR—Winter patent	3 75 @ 4 00
GRAIN—Wheat—No. 2 red	2 85 @ 3 00
Corn—Mixed	2 00 @ 2 15
Oats—Mixed	1 35 @ 1 45
PORK—Mess	8 00 @ 8 25
LARD—Steam	4 40 @ 4 60



For the Kidneys, Liver and Urinary Organs.

There is only one way by which any disease can be cured, and that is by removing the cause, without ever it may be, the great medical authorities of the day declare that nearly every disease is caused by deranged kidneys or liver. To restore these, therefore, is the only way by which health can be secured. Here is where

has achieved its great reputation. It

ACTS DIRECTLY UPON THE KIDNEYS AND LIVER and by placing them in a healthy condition, drives disease and pain from the system.

Large bottle or new style smaller one, at your druggists. Its success is proven by the fact that it is sold in four continents. Warner's Safe Cure Co., London, Rochester, N.Y., Louisville, Ky., and Toronto, Ont.

No-To-Bac for Fifty Cents.

Over 400,000 cured. Why not let No-To-Bac regulate or remove your desire for tobacco? Saves money, makes health and manhood. Cure guaranteed, 50c and \$1.00, all druggists.

The young man who always tells what high wages he gets, need never expect a promotion.—Washington Democrat.

Look out! Shiver, then soreness and stiffness. Use St. Jacobs Oil—then a cure.

Don't tell your friend of the silly things you hear; he hears enough for himself.—Atchison Globe.

Cascarets stimulate liver, kidneys and bowels. Never sicken, weaken or gripe, 10c.

If one of a man's relations visits at his house as long as a month, his wife never in the world gets over it.—Atchison Globe.

Misery and rheumatism are foes. St. Jacobs Oil and cure are friends. Try them.

Imaginary eminence is actual humiliation.—Ram's Horn.



That is the Price The Waverley Bicycle

of '96, greatly improved and as good as most \$100 wheels, sells for. Tried and true—a popular wheel at a popular price.

We have also produced a new and expensively made wheel this year, equipped with the only perfect bearings yet made. Its price is

INDIANA BICYCLE CO. Indianapolis, Ind.



"When I Saw —your advertisement

I thought that it was probably like the announcements of many other makers of harvesting machinery—big blow and little show; but I'm ready to surrender; go ahead, gentlemen, you're all right! I bought one of your binders last season and it is equal to any claim you ever made for it."

This is the condensed essence of what Mr. Thomas Canary, of Washington Court House, Ohio, has to say about the McCormick Right Hand Open Elevator. The claims made for McCormick Machines are

Harvester and Binder. strong claims. That's because

Machines are so constructed that strong claims for them are justified. The machine you want will cost you more than the other kind, for the simple reason that it is worth more; that's all — there's no other reason — and in the end you'll be glad you paid the difference, because there's nothing cheaper than the best.

McCormick Harvesting Machine Company, Chicago.

The Light-Running McCormick Open Elevator Harvester, The Light-Running McCormick New 4 Steel Mower, The Light-Running McCormick Vertical Corn Binder and The Light-Running McCormick Daisy Reaper, for sale everywhere.

REASONS FOR USING

Walter Baker & Co.'s Breakfast Cocoa.

1. Because it is absolutely pure.
2. Because it is not made by the so-called Dutch Process in which chemicals are used.
3. Because beans of the finest quality are used.
4. Because it is made by a method which preserves unimpaired the exquisite natural flavor and odor of the beans.
5. Because it is the most economical, costing less than one cent a cup.

Be sure that you get the genuine article made by WALTER BAKER & CO. Ltd., Dorchester, Mass. Established 1780.

Grin and bear it.

That's what you'll have to do, if your housework tires you out and you won't take away the hardest part of it with Pearline. That's what women have had to do for lo, these thousands of years. Pearline has done, and is doing, more to lighten and brighten woman's work than any other one thing. It saves her time, her money, her health and strength, in hundreds of ways. Do every bit of your washing and cleaning with Pearline.

CANDY CATHARTIC

Cascarets

CURE CONSTIPATION

10¢ 25¢ 50¢

ABSOLUTELY GUARANTEED to cure any case of constipation. Cascarets are the Ideal Laxative, fire, never grip or gripe, but cause easy natural relief. Sample and booklet free. Ad. STERLING REMEDY CO., Chicago, Montreal, Can., or New York.

Weeks Scale Works,

HAY, COAL, STOCK, GRAIN, AND COTTON SCALES. BUFFALO, N. Y.

PENSIONS

FOR SOLDIERS AND WIDOWS. Fee for increase \$1. Rejected claims refunded. All laws free. \$1 yr. practice. Success or no fee. A. W. McCormick & Sons, Cincinnati, O., and Washington, D. C.

PISO'S CURE FOR CONSUMPTION

CURES WHERE ALL ELSE FAILS. Best Cough Syrup. Tastes Good. Use in time. Sold by druggists.

OPIUM DROPS

NEW DISCOVERY! gives quick relief and cures worst cases. Send for booklet of testimonials on: 10 days' treatment free. Dr. H. H. GREEN'S SOX, Atlanta, Ga.

600 SECOND HAND BICYCLES \$5 TO \$15

All makes. GOOD AS NEW. Must be closed out. Lists free. L. A. Mead Cycle Co., Chicago.

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